

SPECIFICATIONS

SPC

1. BRZ

SPECIFICATIONS > BRZ

DIMENSION

Model			2.4 L DOHC non-turbo
Overall length		mm (in)	4,265 (167.9)
Overall width		mm (in)	1,775 (69.9)
Overall height (at C.W.*)		mm (in)	1,310 (51.6)
Wheelbase		mm (in)	2,575 (101.4)
Tread	Front	mm (in)	1,520 (59.8)
	Rear	mm (in)	1,550 (61.0)
Minimum road clearance		mm (in)	130 (5.1)

*: Curb weight

SPECIFICATIONS > BRZ

ENGINE

Model		2.4 L DOHC non-turbo
Cylinder arrangement		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine
Valve system mechanism		Chain driven, double overhead camshaft, 4-valve/cylinder
Bore × Stroke	mm (in)	94.0 × 86.0 (3.70 × 3.39)
Displacement	cm ³ (cu in)	2,387 (146)
Compression ratio		12.5
Ignition order		1 — 3 — 2 — 4
Idle speed (For AT model, select lever in “P” or “N” range. For MT model, gear shift lever in neutral position.) (no load)	r/min	AT model: 700±50 MT model: 650±50
Maximum output	kW (HP)/[r/min]	170 (228)/7,000
Maximum torque	N·m (kgf-m, ft-lb)/[r/min]	250 (25.5, 184)/3,700

SPECIFICATIONS > BRZ

ELECTRICAL

Model		2.4 L DOHC non-turbo	
Ignition timing		BTDC/{r/min }	
		AT model: 13°±10°/700 MT model: 12°±10°/650	
Spark plug	Manufacturer and type		DENSO: ZXE27HBR8
Generator	Voltage and output		12 V — 150 A
Battery	Type	55D23L	75D23L
	Nominal capacity	5HR: 40 Ah, 20HR: 48 Ah [25°C (77°F)]	5HR: 53 Ah, 20HR: 62 Ah [25°C (77°F)]
	Nominal voltage	12 V	12 V
	CCA	390 A	470 A
	BCI group number *	35	35

*: Use the information about the battery size as a reference. This information shall not be guaranteed by SUBARU CORPORATION.

SPECIFICATIONS > BRZ

TRANSMISSION

1. AT

Model		2.4 L DOHC non-turbo
Transmission type		6AT* ¹
Clutch type		TCC* ²
Transmission gear ratio	1st	3.538
	2nd	2.060
	3rd	1.405
	4th	1.000
	5th	0.713
	6th	0.582
	Rev.	3.168
Rear differential	Type of gear	Hypoid
	Gear ratio	3.909

*¹: Electronically controlled fully-automatic, 6-forward speeds, 1-reverse

*²: Torque converter clutch

2. MT

Model		2.4 L DOHC non-turbo
Transmission type		6MT* ¹
Clutch type		DSPD* ²
Transmission gear ratio	1st	3.626
	2nd	2.189
	3rd	1.541
	4th	1.213
	5th	1.000
	6th	0.767
	Rev.	3.438
Rear differential	Type of gear	Hypoid
	Gear ratio	4.100

*¹: 6-forward speeds and 1-reverse with synchromesh

*²: Dry, single plate, diaphragm spring type

SPECIFICATIONS > BRZ

STEERING SYSTEM

Model		2.4 L DOHC non-turbo
Type		Electric power steering
Gearbox	Type	Rack and pinion
Lock-to-lock revolution number		2.53
Minimum turning radius		m (ft) 5.4 (17.72)

SPECIFICATIONS > BRZ

SUSPENSION

Model	2.4 L DOHC non-turbo
Front	Macpherson strut type suspension
Rear	Double-wishbone type suspension

SPECIFICATIONS > BRZ

BRAKE

Model	2.4 L DOHC non-turbo
Service brake system	Dual circuit hydraulic with vacuum suspended power unit
Front	Ventilated disc brake
Rear	Ventilated disc brake
Parking brake	Drum in disc duo servo type on rear brakes

SPECIFICATIONS > BRZ

TIRE

Model	2.4 L DOHC non-turbo	
Wheel size	17 × 7 1/2J	18 × 7 1/2J
Tire size	215/45R17 87W	215/40R18 85Y
Type	Tubeless, steel belted radial	

SPECIFICATIONS > BRZ

CAPACITY

Model			2.4 L DOHC non-turbo		
Fuel tank			L (US gal, Imp gal)		
			50 (13.2, 11.0)		
Engine oil	Total capacity (at overhaul)	L (US qt, Imp qt)	5.9 (6.2, 5.2)		
	When replacing engine oil and oil filter	L (US qt, Imp qt)	5.0 (5.3, 4.4)		
	When replacing engine oil only	L (US qt, Imp qt)	4.8 (5.1, 4.2)		
TRANSMISSION GEAR OIL			L (US qt, Imp qt)		
			2.2 (2.3, 1.9)		
ATF			L (US qt, Imp qt)		
			7.5 (7.9, 6.6)		
Rear differential gear oil			L (US qt, Imp qt)		
			1.15 (1.22, 1.01)		
Engine coolant			L (US qt, Imp qt)		
			AT model: 7.7 (8.1, 6.8) MT model: 7.4 (7.8, 6.5)		

SPECIFICATIONS > BRZ

WEIGHT

Model		BRZ					
		2.4 L DOHC non-turbo					
		Premium			Premium EyeSight		
		MT			AT		
OP code		C0	U4	U7	C0	U4	U7
		AX	AX	AX	AX	AX	AX
Curb weight (C.W.)	Total	kg (lb)	1,277 (2,815)	1,277 (2,815)	1,277 (2,815)	1,299 (2,864)	1,299 (2,864)
	Front	kg (lb)	710 (1,565)	710 (1,565)	710 (1,565)	727 (1,604)	727 (1,604)
	Rear	kg (lb)	567 (1,250)	567 (1,250)	567 (1,250)	572 (1,260)	572 (1,260)
Gross vehicle weight (G.V.W.)		kg (lb)	1,670 (3,682)	1,670 (3,682)	1,670 (3,682)	1,700 (3,748)	1,700 (3,748)
Gross axle	Front	kg (lb)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)

weight (G.A.W.)))))))
	Rear	kg (lb)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)
Option	A package		○	○	○	○	○
	Spare tire		—	—	—	—	—

Model			BRZ							
			2.4 L DOHC non-turbo							
			Limited				Limited EyeSight			
			MT				AT			
OP code			C0	C4	U4	U7	C0	C4	U4	U7
			AX	AB	AX	AX	AX	AB	AX	AX
Curb weight (C.W.)	Total	kg (lb)	1,286 (2,835)	1,296 (2,857)	1,286 (2,835)	1,286 (2,835)	1,307 (2,881)	1,317 (2,903)	1,307 (2,881)	1,307 (2,881)
	Front	kg (lb)	714 (1,573)	707 (1,559)	714 (1,573)	714 (1,573)	731 (1,611)	724 (1,596)	731 (1,611)	731 (1,611)
	Rear	kg (lb)	572 (1,262)	589 (1,299)	572 (1,262)	572 (1,262)	576 (1,271)	593 (1,307)	576 (1,271)	576 (1,271)
Gross vehicle weight (G.V.W.)			kg (lb)	1,670 (3,682)	1,670 (3,682)	1,670 (3,682)	1,670 (3,682)	1,700 (3,748)	1,700 (3,748)	1,700 (3,748)
Gross axle weight (G.A.W.)	Front	kg (lb)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)	876 (1,931)
	Rear	kg (lb)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)	943 (2,079)
Option	A package		○	○	○	○	○	○	○	○
	Spare tire		—	○	—	—	—	○	—	—